

Amendments to the Claims:

Listing of Claims:

The present listing of the claims replaces all past listings of the claims:

1. (Currently amended) Diagnostic procedure for identification of a disorder of a the pancreas comprising by determining an the overall content of all known pancreatic elastases (iso-enzymes) in the serum, secretions or excretions of a patient, so as to thereby diagnose a disorder of the pancreas.
2. (Currently amended) The procedure ~~Procedure~~ according to claim 1, wherein the fact that identification is by administering means of immuno-chemical systems using monoclonal or polyclonal antibodies, being single specific antibodies or cross-reactive antibodies that can ~~singly and specifically or cross-reactively recognize~~ recognise all elastase iso-enzymes with the exception of the amino-acid sequence Thr-Met-Val-Ala-Gly-Gly-Asp-Ile-Arg (SEQ ID NO: 1).
3. (Currently amended) The procedure ~~Procedure~~ according to claim 2, comprising obtaining wherein the fact that the antibodies used ~~are obtained~~ by means of antigens selected from the group consisting of ~~the complete~~ elastases 1, 2 and 3 or of their sub-units wherein the ~~The~~ amino-acid sequence Thr-Met-Val-Ala-Gly-Gly-Asp-Ile-Arg (SEQ ID NO: 1) is not used as an elastase fragment or as an immunologically effective partial sequence thereof.
4. (Currently amended) The procedure ~~Procedure~~ according to claim 3, wherein the fact ~~that the~~ following synthetic peptides are primarily used as antigens which after the antigens immunisation of animals induce antibodies which cross-reactively recognize ~~recognise~~ several elastases but do not concern the amino-acid sequence Thr-Met-Val-Ala-Gly-Gly-Asp-Ile-Arg (SEQ ID NO: 1):

NH2-A-V-K-E-G-P-E-Q-V-I-P-I-N-COOH (SEQ ID NO: 2)
NH2-Y-T-N-G-P-L-P-D-K-L-Q-Q-A-R-COOH (SEQ ID NO: 3)
NH2-R-S-G-C-N-G-D-S-G-G-P-L-N-COOH (SEQ ID NO: 4)
NH2-G-P-L-N-C-P-T-E-D-G-G-W-Q-COOH (SEQ ID NO: 5)
NH2-G-T-E-A-G-R-N-S-W-P-S-Q-I-COOH (SEQ ID NO: 6)
NH2-H-N-L-S-Q-N-D-G-T-E-Q-Y-V-COOH (SEQ ID NO: 7)
NH2-W-G-K-T-K-T-N-G-Q-L-A-COOH (SEQ ID NO: 8)
NH2-V-S-S-R-G-C-N-V-S-R-K-P-T-COOH (SEQ ID NO: 9)
NH2-G-G-E-E-A-R-P-N-S-W-P-W-Q-COOH (SEQ ID NO: 10)
NH2-S-S-S-R-T-Y-R-V-G-L-G-R-H-N-COOH (SEQ ID NO: 11)
NH2-K-D-W-N-S-N-Q-I-S-K-G-N-D-COOH (SEQ ID NO: 12)
NH2-G-P-L-N-C-Q-A-S-D-G-R-W-COOH (SEQ ID NO: 13)
NH2-G-A-L-P-D-D-L-K-Q-G-R-L-COOH (SEQ ID NO: 14)
NH2-S-L-Q-Y-E-K-S-G-S-F-Y-COOH (SEQ ID NO: 15)
NH2-F-G-C-N-T-R-R-K-P-T-V-F-T-COOH (SEQ ID NO: 16)

5. (Currently amended) The procedure ~~Proceedure~~ according to claim 1, wherein the ~~fact~~ that antibodies are used singly or in a combination in an immuno-chemical identification system.

6. (Currently amended) Immunological test kits for a ~~the~~ diagnosis and progress check of diseases of the pancreas using stool or body fluids containing one or more of the antibodies used in claim 2.

7. (Currently amended) Procedure for obtaining monoclonal and/or polyclonal antibodies that react specifically with human elastase 1 in stool or body fluids and are induced by standard ~~the usual immunization immunisation~~ procedures, comprising administering ~~characterised by the fact that the~~ peptides A-V-K-E-G-P-E-Q-V-I-P-I-N (SEQ ID NO: 1), Y-T-N-G-P-L-P-D-K-L-Q-Q-A-R (SEQ ID NO: 1), R-S-G-C-N-G-D-S-G-G-P-L-N

(SEQ ID NO: 1) and G-P-L-N-C-P-T-E-D-G-G-W-Q (SEQ ID NO: 1) or immunogenic partial peptides thereof are used as antigens for the immunization ~~immunisation~~ of vertebrates, especially of small mammals and birds thereby obtaining monoclonal and/or polyclonal antibodies.

8. (Currently amended) The procedure ~~Procedure~~ according to claim 7, wherein the fact that before immunization ~~immunisation~~ the free peptides are coupled with suitable carrier substances, ~~primarily haemeczanine or albumin~~.

9. (Currently amended) The procedure ~~Procedure~~ according to claim 7, wherein the fact that polyclonal antibodies are produced using chickens as experimental animals.

10. (Currently amended) Polyclonal antibodies, ~~insofar as they were~~ produced according to claim 7.

11. (Currently amended) Monoclonal antibodies, ~~insofar as they were~~ produced according to claim 7.

12. (Currently amended) Synthetic peptide ~~Peptide~~ A-V-K-E-G-P-E-Q-V-I-P-I-N
(SEQ ID NO: 1)

13. (Currently amended) Synthetic peptide ~~Peptide~~ Y-T-N-G-P-L-P-D-K-L-Q-Q-A-R
(SEQ ID NO: 1)

14. (Currently amended) Synthetic peptide ~~Peptide~~ R-S-G-C-N-G-D-S-G-G-P-L-N
(SEQ ID NO: 1)

15. (Currently amended) Synthetic peptide ~~Peptide~~ G-P-L-N-C-P-T-E-D-G-G-W-Q
(SEQ ID NO: 1)

16. (Currently amended) Purification and detection systems for human elastase 1, ~~comprising characterised by the fact that they contain~~ at least one of the ~~invention~~ antibodies according to claim 10 or 11.

17. (Currently amended) Immunological test kits for the diagnosis and progress check of diseases of a the pancreas and of mucoviscidosis using stool or body fluids.

18. (Currently amended) Immunological test kits according to claim 17, wherein ~~the fact~~ that 2 different antibodies are used (Sandwich-ELISA).